

NCSA

SAE Government/Industry Meeting



NCSA Web Site: Accessing Data

NHTSA Site: Direct Link to NCSA Site

Crash Statistics

Corporate Average Fuel Economy (CAFE)
Crash Statistics
Disability Information
Docket Management System
Driver Distraction
Early Warning (EWR) Reporting

NEWS

NHTSA Publishes List of December 2003 Recalls (02/23/2004)

NHTSA Extends Dual-Fuel Credit For Fuel Economy through Model Year 2008 (02/18/2004)

USDOT Announces Comparative Ratings for Passenger Vehicle Tires (02/12/2004)

2-door Coupes Take Stage in Second Release Of Star Ratings on SaferCar.Gov Web Site (02/11/2004)

E•S•T•M•E
Excellence in Science, Technology, and Mathematics Education week

http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/



National Center for Statistics and Analysis (NHTSA/USDOT) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

NCSA National Center for Statistics and Analysis of the National Highway Traffic Safety Administration

Select a link from this pull down menu [Top Version](#)

Latest Releases / Last Updated: March 8, 2004

A listing of the most recent additions to the NCSA webpages. Links to these new sources will remain here for 90 days, then they will be available through the [Available Information](#) page and regular NCSA web page features.

- 3/8/2004 - Research Note - [Time Series Analysis and Forecast of Crash Fatalities during Six Holiday Periods](#) (PDF) ([Available Information](#))
- 3/8/2004 - Research Note - [Time Series Analysis and Forecast of Annual Crash Fatalities](#) (PDF) ([Available Information](#))
- 3/8/2004 - Report - [Safety Belt Use in 2003 - Use Rates in the States and Territories](#) (State Belt Rates) (PDF) ([Available Information](#))
- 3/8/2004 - Presentation - [Recent Estimates of Safety Belt Use \(Overview of 2002 and 2003 NOPUS Data\)](#) (PDF) ([Available Information](#))
- 02/18/2004 - Documentation - [2002 Crashworthiness Data System Analytical Users Manuals](#) (PDF) ([Available Information](#))
- 02/03/2004 - Technical Report - [The Relationship Between Occupant Compartment Deformation and Occupant Injury](#) (PDF) (HTML) ([Available Information](#))
- 01/29/2004 - Final Edition -- [2002 FARS/GES Annual Report](#) (PDF) ([Available Information](#))
- 01/23/2004 - Presentation - [Alcohol Involvement in Fatal Motorcycle](#)

* UPDATED SEARCH TOOL *

* VIEW CASE DATA ONLINE *

NEW FEATURE

State Data System Crash Data Report: 1990-1999 Survey

If you have had a chance to read a page or use a table in the Crash Data Report ([State Data System page](#)), please take a few minutes to complete our survey. Your feedback will help us make the next edition of the Crash Data Report even better.

State Traffic Safety Information (STSI) Website

STSI is a by-State profile of traffic safety data and information including: crash statistics, economic costs, legislation status, funding programs, et al. (Click on image to link to website).

NCSA - Available Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail Wordpad

Address http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/AvailInf.html#Anchor-Dat-31510 Go

NCSA National Center for Statistics and Analysis of the National Highway Traffic Safety Administration **NHTSA**

Search Utility

NHTSA Site
NHTSA Search Site
NHTSA Research & Development Site
Visitor Center
NCSA Search
Available Information (Fact Sheets, Rpts, Research Notes, Manuals, etc.)
Downloadable Data Files & High Interest Cases
Contact Information

Crash Investigation Division (CID) _____
CID Overview
National Automotive Sampling System (NASS) Overview
General Estimates System (GES) Overview
Crashworthiness Data System (CDS) Overview
CDS Electronic Case Access
CDS Electronic Case Access - Preliminary Cases
CDS Scanned Paper Cases
SAS Queries
Special Crash Investigations (SCI) Overview & Links
SCI Electronic Case Access
Introduction to SCI Power Point Presentation (PDF)
Crash Research Information Network (CRIN)

Mathematical Analysis Division (MAD) _____
MAD Overview

Internet

Welcome to Adobe GoLive 5 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Mail Print

Address <http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/NCSASearch.html> Go



National Center for Statistics and Analysis
of the National Highway Traffic Safety Administration



Select a link from this pull down menu [Text Version](#)

A search of NCSA content can be performed using the NHTSA Search Engine. When looking specifically for NCSA data files, reports, research notes, manuals, etc. remember that using a few simple search techniques can greatly improve the odds of producing the desired results. In general terms, using **NCSA** as part of your search will target that search to NCSA content. In addition, using key phrases to identify the subject matter will further pinpoint data and publications you may be looking for. For example, if you are looking for information regarding Child Restraints released by NCSA, you could use any one of the following:

SEARCH TEXT	SEARCH RESULTS
Child Restraint	Will return the greatest number of links. Returns from all of NHTSA content.
Child Restraints	Will return a different number of links than example above.
"Child Restraint" NCSA	Will return smaller, more specific number of links and will target NCSA content.

The Internet is full of sites and pages offering tips and techniques regarding performing searches on websites. For more information on this topic we suggest.....what else.....an Internet search using the phrase...*Internet search tips techniques*.

[Click here to begin your search!](#)

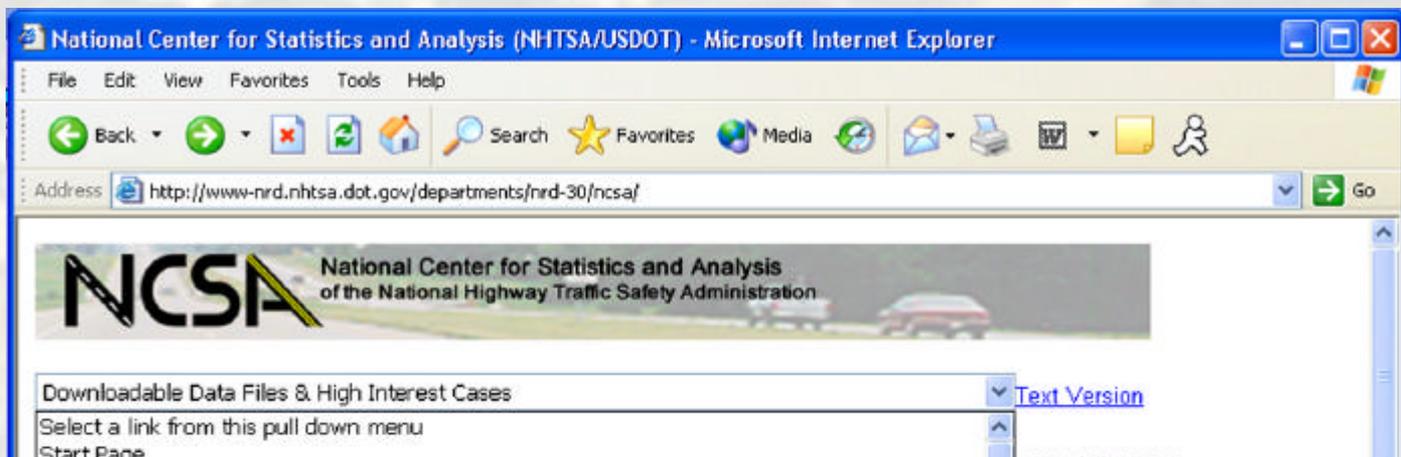


NHTSA Search - Microsoft Internet Explorer

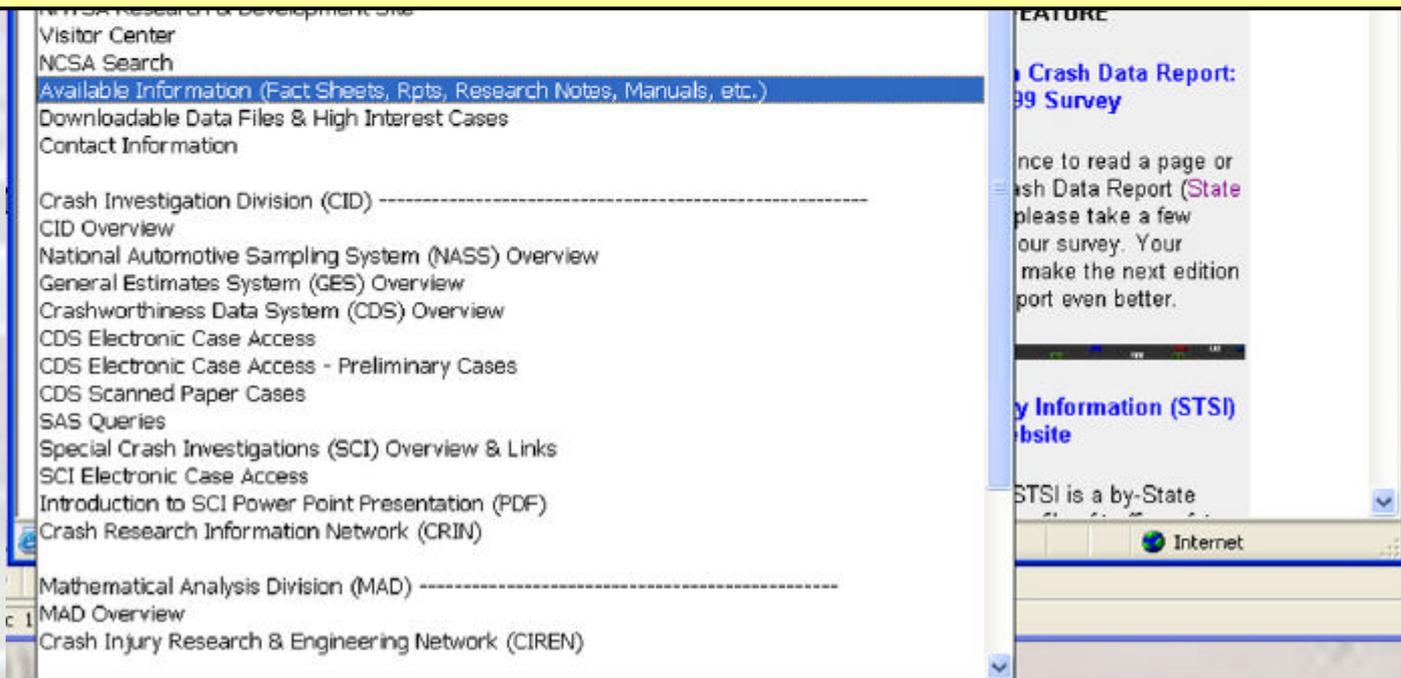
Search NHTSA's Web site

Other Search Options

Internet



Available Information (Fact Sheets, Rpts, ...

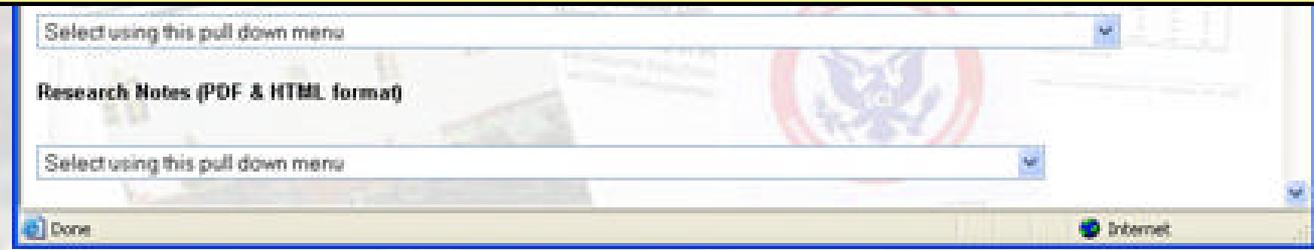




AVAILABLE INFORMATION

- Traffic Safety Fact Sheets
- Traffic Safety Facts Annual Reports
- Reports By Year
- Research Notes (By Year)
- Data Files & High Interest Cases
- Presentations

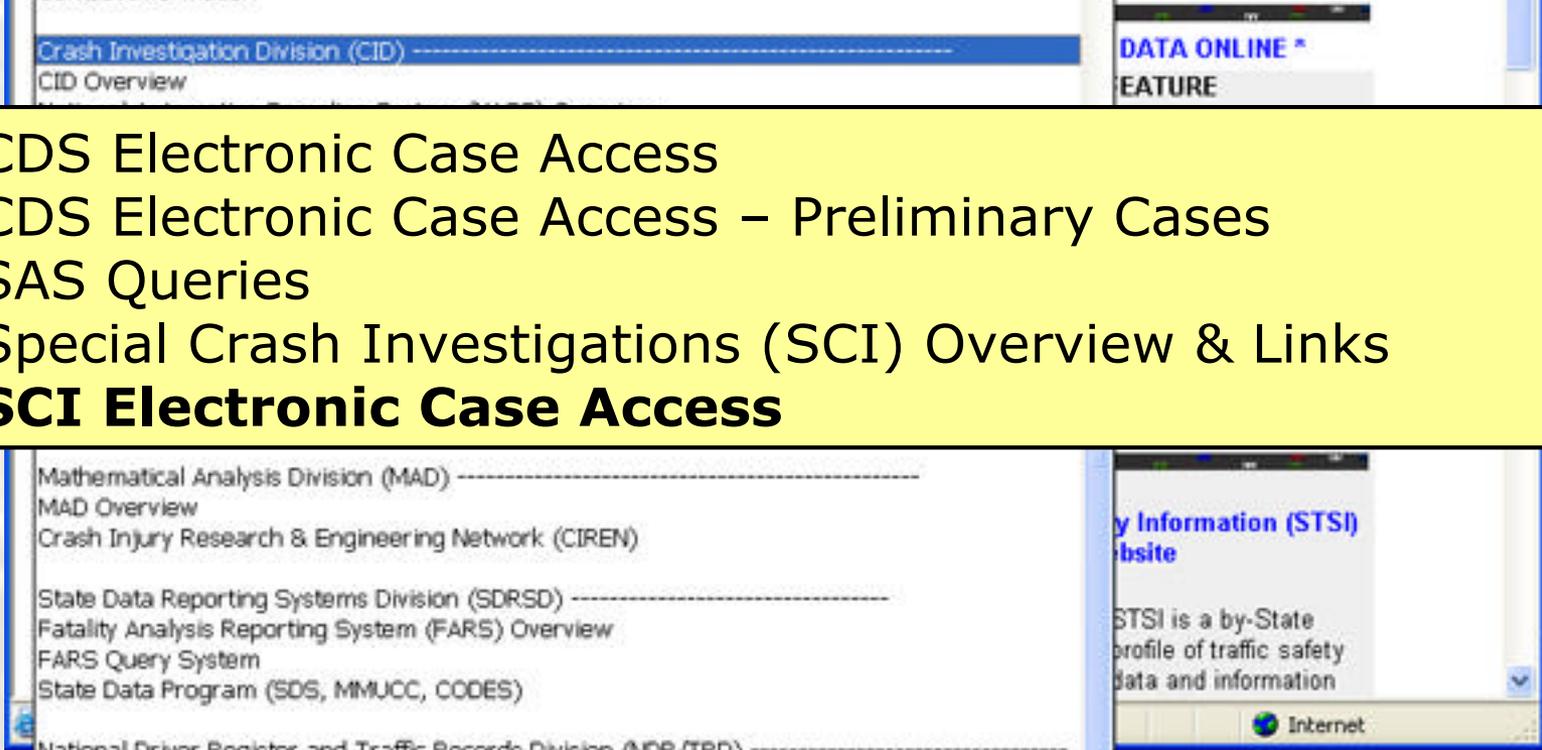
Other Documents, Documentation...





Crash Investigation Division (CID) ----

- CDS Electronic Case Access
- CDS Electronic Case Access – Preliminary Cases
- SAS Queries
- Special Crash Investigations (SCI) Overview & Links
- SCI Electronic Case Access**





CDS Electronic Case Access

NASSCase Query Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

http://www.nass.nhtsa.dot.gov/bin/NASScasekst.EXE/setfilter

Sampling System PUBLIC AVAILABILITY OF CASES

- Images
- Sketches

is authorized by congress (Volume 489, United States Code Chapter 301 Motor Vehicle Safety, Section 30166, 30168 and Volume 23, Section 403) b...
ation on motor vehicle crashes to aid in the development, implementation and evaluation of motor vehicle and highway safety countermeasures. The l...
agency to protect the privacy of individuals involved in crashes investigated. Agency procedure for release, accuracy and security of research data collecte...
s program prohibit the dissemination of any information collected, assembled, derived or computed until all conditions of data gathering and reporting, c...
completeness, quality control and privacy have been completed. The cases available through the NASS web query system have met these conditions.

SELECT A SINGLE CASE

Case OR Case Year PSU Case Number

SELECT FROM A LIST OF CASES BASED ON CRITERIA BELOW

Crash Criteria

Year Max # Vehicles
Month Mortality/Injury Severity

Vehicle Criteria

Make Start Model Year
Model End Model Year
Body Category

Vehicle Damage

Release

Done Internet

NASSCaseCLSelCase - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www-nass.nhtsa.dot.gov/BDV/NASSCaseList.EXE/FETCHLIST?TCA=9999&CTP=100&ARY=0&LRN=0&PREVLRN=0&APPID=NASS&SAMPLEYEAR=99> Go

Select Case...

Case Selection

Cases Found: 1620 Cases This Page: 100

#	Case #	Vehicles	Max Severity	Fatal	Child Seat	Air Bag	Case ID#
1	1997-002-009 C	1	3	No	No	No	100121
2	1997-002-052 C	1	1	No	No	No	100253
3	1997-002-064 F	1	1	No	No	No	300262
4	1997-002-065 G	1		No	No	No	300263
5	1997-002-068 G	1		No	No	No	300266
6	1997-002-144 G	1		No	No	No	100435
7	1997-002-153 J	1	2	No	No	No	100444
8	1997-002-157 A	1		Yes	No	No	100448
9	1997-003-023 C	2	3	No	No	No	625400204
10	1997-003-051 B	2	7	Yes	No	Yes	625400291
11	1997-003-072 E	1		No	No	Yes	625400382
12	1997-004-106 E	2	1	No	No	Yes	654500463
13	1997-004-122 J	2	1	No	No	Yes	654500521
14	1997-004-131 K	2	3	No	No	Yes	654500562

Done Internet

Case Summary, Case #1997-002-009 (CaseId: 100121) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Mail Stop Go

Address <http://www-nass.nhtsa.dot.gov/BIN/NASSCaseCS.exe/NASSCaseCSCrash?CASEID=100121> Go

Case Summary, Case #1997-002-009 (CaseId: 100121)

Crash | Structure | Summary | Events | Vehicles | Persons | Scene | Annotation | Components

Case Number: 1997-002-009

Stratum: C

Date of Crash: 01/1997

Time of Crash: 23:46

Air Bag Deployed

[Return to Case Query Page](#)

Internet

NASSCaseCSComps NASSCaseCSComponents - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Mail News RSS Feeds

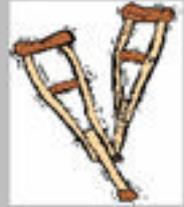
Address: http://www-nass.nhtsa.dot.gov/BIN/NASSCaseCS.exe/NASSCaseCSComp?CASEID=100121&CN=1997-002-009&APPID=

Case Summary, Case #1997-002-009 (CaseId: 100121)

Crash | Structure | Summary | Events | Vehicles | Persons | Scene | Annotation | **Components**



[General Vehicle](#) [Exterior Vehicle](#) [Interior Vehicle](#) [Safety Systems](#)



[Occupants](#) [EMS](#) [Pictures \(Images\)](#) [Injuries](#)

[Return to Case Query Page](#)

Done Internet

CDS Electronic Case Access – Preliminary Cases



National Automotive
Sampling System
PRELIMINARY APPROVALS

- Case Summary
- Components
- Images
- Clashes

These cases have been given a PRELIMINARY APPROVAL. The variables have been reviewed by our quality control center. Injury Coding may or may not have been completed for each occupant. The case is subject to change until the file completion date in July 2003.

Continue

This site is best viewed with IE 6.0 or Netscape 6.2

SAS Queries

Select a category
Crash

Then specific variables
Atmospheric Conditions for years 2002 to 2002

View the frequency **Table** and obtain the case list

This page allows you to run selected queries against the 1988 through 2002 NASS data sets. First select a general category, then specific variables. Finally, select the years to include in the query. For one year only choose the same year for both the beginning and end. The results of the query are a frequency table and pie and bar charts. The table presents both raw counts and National Estimates. The charts present raw counts only. From the table you can drill down to specific cases by clicking on a link. For 1997, 1998, 1999, 2000, 2001 and 2002 cases you can view the electronic case, including images, by pressing the View Case button on the case list. Electronic data are not available prior to 1997.

Version 6.5.6 Last updated November 9, 1999.

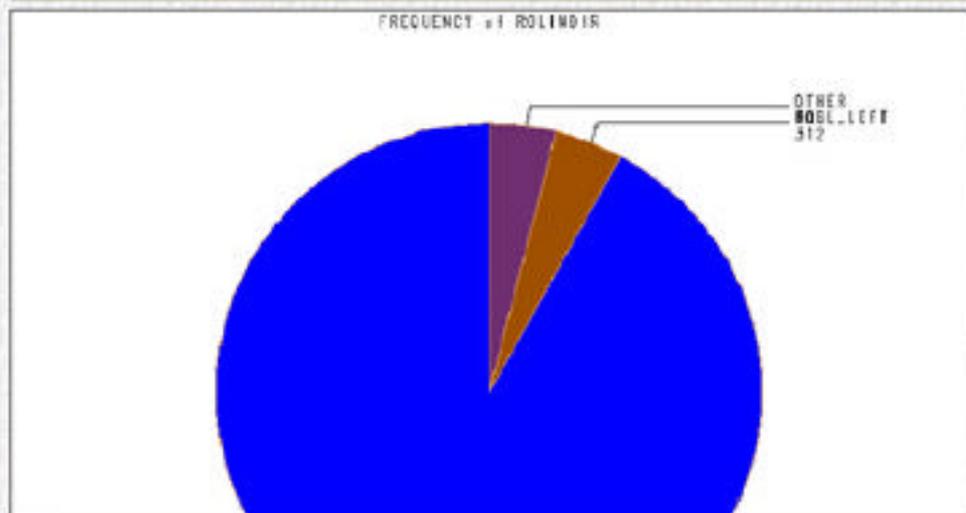
Frequency table for rolindir

For 2002

[View the pie chart for this query](#)

[View the bar chart for this query](#)

Category	Count	Weighted Count	Percentage
NON_CDS_VEHICLE	322	136480.45	
UNKNOWN_ROLL_DIR	102	21233.283	
NO_ROLLOVER	7112	3993617.5	54.6
ROLL_RIGHT	299	112261.94	2.66
ROLL_LEFT	312	113360.29	2.69
END-OVER-END	7	650.156	0.15



SCI Crash Investigations (SCI) Overview & Links

NCSA National Center for Statistics and Analysis of the National Highway Traffic Safety Administration

Select a link from this pull down menu [Text Version](#)

[Case Selection](#) [Data Collection](#) [Air Bags](#) [School Buses](#)
[Emerging Technology](#) [Availability of SCI Information](#) [Crash Notification](#) [Contact Information](#)

Special Crash Investigations (SCI)

NEW - Excel Data in ZIP file!

HTML versions of the most recent quarterly reports are available on the Text Version page.

SCI Downloadable Files, Reports & Tables



Mission: To examine the safety impact of emerging, and rapidly changing technology (such as air bags and alternative fuel systems) and for exploring alleged or potential vehicle defects.

Since 1972, NCSA's Special Crash Investigations (SCI) Program has provided NHTSA with the most in depth and detailed level of crash investigation data collected by the agency. The data collected ranges from basic data maintained in routine police and insurance crash reports to comprehensive data from special reports by professional crash investigation teams. Hundreds of data elements relevant to the vehicle, occupants, injury mechanisms, roadway, and safety systems involved are collected for each of the over 200 crashes designated for study annually.

SCI cases are intended to be an anecdotal data set useful for examining special crash circumstances or outcomes from an engineering perspective. The benefit of this program lies in its ability to locate unique real-world crashes anywhere in the country, and perform in depth clinical investigations in a timely manner which can be utilized by the automotive safety community to improve the performance of its state-of-the-art safety systems. Individual and select groups of cases have triggered both individual companies and the industry as a whole to improve the safety performance of motor vehicles, including passenger cars, light trucks, or school buses.

Done Internet

SCI Downloadable Files, Reports & Tables

Explanation of SCI Report Types

- 1st Qtr 2004 Excel File Data (ZIP)
- Air Bag Fatality Summary Report & Tables (1st Qtr 2004, PDF) —
 - Select for HTML Versions
 - Fatality & Serious Injury Summary Report
 - Infants in rear facing child safety seats (RFCSS)
 - Children not in RFCSS
 - Adult drivers
 - Adult passengers
- Normalized Tables and Charts (1st Qtr 2004, PDF) —
 - Explanation
 - Driver Fatalities by DAB (Adult)
 - Passenger Fatalities by PAB (Adult)
 - Children Fatalities by PAB
 - Driver Air Bag Fatalities Chart
 - Passenger Air Bag Fatalities Chart
 - Children Fatally Injured by PAB Chart

SCI Quarterly Reports

Monthly & Quarterly Reports (ZIP) —

- 4th Quarter 2003
- 3rd Quarter 2003
- 2nd Quarter 2003
- 1st Quarter 2003
- 4th Quarter 2002
- 3rd Quarter 2002
- 2nd Quarter 2002



Since 1972, NCSA's Special Crash Investigations (SCI) Program has provided NHTSA with the most in depth and detailed level of crash investigation data collected by the agency. The data collected ranges from basic data maintained in routine police and insurance crash reports to comprehensive data from special reports by professional crash investigation teams. Hundreds of data elements relevant to the vehicle, occupants, injury mechanisms, roadway, and safety systems involved are collected for each of the over 200 crashes designated for study annually.

SCI cases are intended to be an anecdotal data set useful for examining special crash circumstances or outcomes from an engineering perspective. The benefit of this program lies in its ability to locate unique real-world crashes anywhere in the country, and perform in depth clinical investigations in a timely manner which can be utilized by the automotive safety community to improve the performance of its state-of-the-art safety systems. Individual and select groups of cases have triggered both individual companies and the industry as a whole to improve the safety performance of motor vehicles, including passenger cars, light trucks, or school buses.



SCI Electronic Case Access

SCI Filter - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Special Crash Investigations Filters



NHTSA is authorized by congress (Volume 489, United States Code Chapter 301 Motor Vehicle Safety, Section 30166, 30168 and Volume 23, Section 403) to collect information on motor vehicle crashes to aid in the development, implementation and evaluation of motor vehicle and highway safety countermeasures. The law requires the Agency to protect the privacy of individuals involved in crashes investigated. Agency procedure for release, accuracy and security of research data collected under the SCI program prohibit the dissemination of any information collected, assembled, derived or computed until all conditions of data gathering and reporting, case completeness, quality control and privacy have been completed. The cases available through the SCI web query system have met these conditions.

SINGLE CASE SELECTION

Case Number

MULTIPLE CASE SELECTION BASED ON FILTER CRITERIA

CASE TYPE	CRASH
Type <input type="text" value="Alternative Fuel"/>	Year <input type="text" value="<AB>"/>
	Month <input type="text" value="<AB>"/>
	State <input type="text" value="<AB>"/>
	Mortality <input type="text" value="<AB>"/>
VEHICLE	OCCUPANT
Make <input type="text" value="<AB>"/>	Role <input type="text" value="<AB>"/>
	Age <input type="text" value="<AB>"/>

Done Internet

CASES FROM THE SPECIAL CRASH INVESTIGATION PROGRAM

CASE REPORT	CRASH DATE	STATE	AGE	HT (IN)	WT (LB)	BELT USE	VEHICLE	CHANGE IN VELOCITY (MPH)	PRE-IMPACT BRAKING	INJURY	INJURY SOURCE
DS01010 ECASE	2/2001	CA	39 YR	Unk	Unk	Manual Belts Used	2000 HONDA INSIGHT	E modfte	No	<No rank 1 injuries>	<No rank 1 injuries>
Available Technical Report	5/2001		M								
DS01011 ECASE	3/2001	CA	54 YR	66	134	Manual Belts Used	2001 TOYOTA PRIUS	18	No	<No rank 1 injuries>	<No rank 1 injuries>
Available Technical Report	5/2001		F								
DS01012 ECASE	3/2001	CA	46 YR	71	152	Manual Belts Used	2001 TOYOTA OTHER AUTOMOBILE	8	No	Rib cage fracture 1 rib	Injured, unknown source
Available Technical Report	10/2001		M								
DS02019 ECASE	8/2002	CA	75 YR	63	161	Manual Belts Used	2002 TOYOTA PRIUS	14	Yes	Ulna fracture closed	Air bag-driver side
Available Technical Report	9/2002		F								



http://www.nass.nhtsa.dot.gov/SCIREPORTS/790062889/RPT790062889.pdf - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media RSS Print Mail News Groups

Address http://www.nass.nhtsa.dot.gov/SCIREPORTS/790062889/RPT790062889.pdf Go

150%

**TRANSPORTATION SCIENCES
CRASH DATA RESEARCH CENTER**

Veridian Engineering
Buffalo, NY 14225

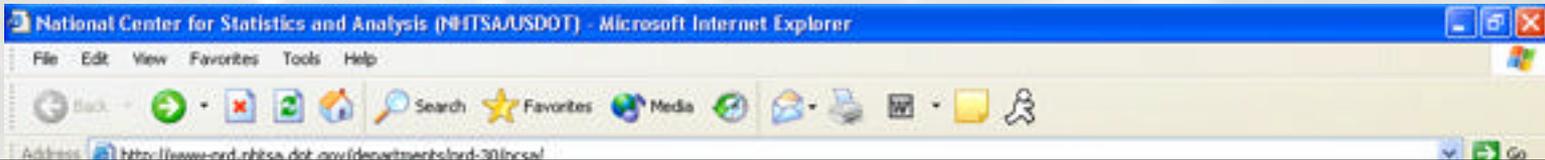
**VERIDIAN REMOTE ADVANCED OCCUPANT PROTECTION SYSTEM/SIDE
IMPACT INFLATABLE OCCUPANT PROTECTION INVESTIGATION
SCI TECHNICAL SUMMARY REPORT**

NASS/SCI COMBO CASE NO. 02-04-076E

1 of 12 8.5 x 11 in

Done Internet

start Inbox - Microsoft Out... Microsoft PowerPoint ... SAE_2004.doc - Mic... http://www.nass.nht... 11:49 AM



State Data Reporting Systems Division (SDRSD)-----

FARS Query System

State Data Program (SDS, MMUCC, CODES)

Crash Investigation Division (CID) -----

- CID Overview
- National Automotive Sampling System (NASS) Overview
- General Estimates System (GES) Overview
- Crashworthiness Data System (CDS) Overview
- CDS Electronic Case Access
- CDS Electronic Case Access - Preliminary Cases
- CDS Scanned Paper Cases
- SAS Queries
- Special Crash Investigations (SCI) Overview & Links
- SCI Electronic Case Access
- Introduction to SCI Power Point Presentation (PDF)
- Crash Research Information Network (CRIN)

Mathematical Analysis Division (MAD) -----

- MAD Overview
- Crash Injury Research & Engineering Network (CIREN)

State Data Reporting Systems Division (SDRSD) -----

- Fatality Analysis Reporting System (FARS) Overview
- FARS Query System
- State Data Program (SDS, MMUCC, CODES)

National Driver Register and Traffic Records Division (NDR/TRD) -----

- National Driver Register (NDR)
- Traffic Records (TR)

DATA ONLINE * FEATURE

- [Crash Data Report: 99 Survey](#)

...nce to read a page or ...sh Data Report (State please take a few our survey. Your make the next edition port even better.

Information (STSI) Website

STSI is a by-State profile of traffic safety data and information including: crash statistics, economic bus, funding programs, to link to website).



FARS Query System



Web-Based Encyclopedia



NHTSA decided in 1996 to make FARS data easier to obtain by using Internet technology. This FARS Web-Based Encyclopedia offers a more intuitive and powerful approach for retrieving fatal crash information.

- ▼ Main
 - Home
 - Did you know?
 - Acronyms
 - Terms

Did You Know ?

The occupant injury rate per 100,000 population, which declined by 14 percent from 1968 to 1992, increased by 7 percent from 1992 to 1997. (Reference: 1997 Annual Report)

[Did You Know Archive](#)



- ▼ Reports
 - Trends
 - Crashes
 - Vehicles
 - People
 - States

National Statistics:

	2002	2001	2000	1999	1998	1997	1996	1995	1994
Motor Vehicle Traffic Crashes									
Fatal Crashes	38,309	37,862	37,526	37,140	37,107	37,324	37,494	37,241	36,254
Traffic Crash Victims									
Occupants									
Drivers	26,549	25,869	25,567	25,257	24,743	24,667	24,534	24,390	23,691
Passengers	10,571	10,469	10,695	10,521	10,530	10,944	11,058	10,782	10,518
Total	37,120	36,338	36,262	35,778	35,273	35,611	35,592	35,172	34,209

NCSA - State Data System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address <http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/SDP.html> Go

State Data Program (SDS, MMUCC, CODES)

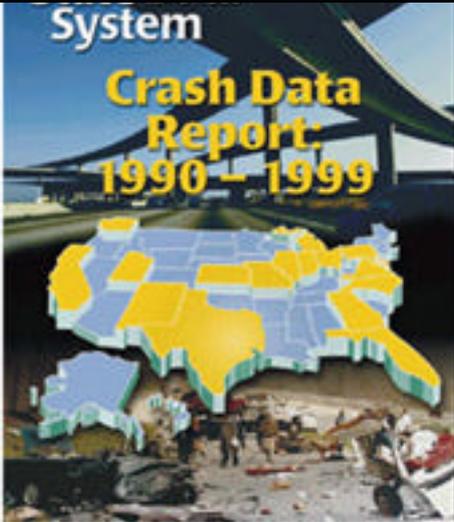
New Mexico, North Carolina, Ohio, Pennsylvania, Texas, Utah, Virginia, Washington, South Carolina joined the State Data System in January 2003 and NHTSA is actively seeking additional members. NHTSA's goal is to have all states participate in the State Data System.

Crash statistics are presented in ten sections. General information can be found in the first three sections: Crashes, Vehicles, and People. The remaining sections focus on more specific data subsets. Sections 4 and 5 present alcohol- and speeding-related crash summary data. Specific vehicle actions and types are presented in Sections 6-8 (Rollovers, Motorcycles, and Large Trucks). Finally, Section 9 provides additional information regarding the ages of persons who were killed and injured, while Section 10 focuses on vehicle safety equipment.

State data availability, to include vehicle identification number (VIN) availability, is provided in Appendix A. Other state-specific information is given in the appendices B-G.

The report is divided into sections to make accessing and downloading easier. It is also available as a single ZIP file.

- [Crash Data Report 1990-1999 \(3.75MB, ZIP\)](#)
- [Crash Data Report 1990-1999 \(5.9MB, PDF\)](#)
- [Section 1 - Report Cover and Table of Contents \(149K, PDF, 4 pgs.\)](#)
- [Section 2 - About This Report \(15K, PDF, 2 pgs.\)](#)
- [Section 3 - Introduction \(14K, PDF, 2 pgs.\)](#)
- [Section 4 - Data File Structure \(37K, PDF, 8 pgs.\)](#)
- [Section 5 - Associated Analysis and Reports \(14K, PDF, 2 pgs.\)](#)



Audience Participation

Thank You!

NCSAWeb@nhtsa.dot.gov